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-	428	(propellant with grain) same (temperature)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/20 16:20
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-	23	((propellant with grain) same (temperature with (profile or characteristic or behavior))) and @ad<20001218	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/20 16:23
-	285	((propellant with grain) same (temperature)) and (measur\$4 or test\$4 or simulat\$4 orestimat\$4)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/20 16:43
-	250	((propellant with grain) same (temperature)) and (measur\$4 or test\$4 or simulat\$4 orestimat\$4)) and @ad<20001218	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/20 16:23
-	5	(propellant with grain) same (temperature with (profile or characteristic or behavior)) and inert	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/20 16:39
-	10	((propellant with grain) same inert) and (temperature with (profile or characteristic or behavior))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/20 16:42
-	1	((propellant with grain) same inert) and (temperature with (profile or characteristic or behavior))) and (((propellant with grain) same (temperature)) and (measur\$4 or test\$4 or simulat\$4 orestimat\$4)) and (((propellant with grain) same (temperature with (profile or characteristic or behavior))) and @ad<20001218)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/20 16:43
-	1	(propellant same inert) same ((temperature with (profile or characteristic or behavior))and (measur\$4 or test\$4 or simulat\$4 or estimat\$4)) and @ad<20001218	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/20 16:45

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... Compared to **inert** binders, the new energetic binder ... resulting acceleration would cause the **propellant grain** to rupture ... the polymer is in the **rubber** state and ...  
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Gunwriters' More Questions and Answers

... It was once declared as "obsolete **propellant**" but returned to the ... 53 **grains**, giving about 2700 fps velocity. ... case heads), but the primers may be **inert** or give ...  
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... motor case is lined with a **rubber**-like organic ... the flame temperature of a solid **propellant grain** is 2000 ... other refractory metals, and is chemically **inert** in the ...  
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Richard Nakka's Amateur Rocketry Page on the WWW

... who has never cast any sugar-based **propellants**, it is suggested that the **grain** casting process be first practiced using **INERT propellant**. ...  
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... launch systems is toward simpler **grain** designs, many ... and plasticizer /polymer combinations), **inert rubber**-base binders ... the surface of the **propellant** and form ...  
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Recipe comment (Arno Hahma)

... dull noise, and large chunks of engine/**propellant** >lying around ... materials to the fuel or putting an **inert** rod into ... you are able to cast the whole **grain** in one ...  
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Cartridge Collector's Glossary- Illustrated

... Cordite **grains** usually resemble very thin strands of ... case which is filled with a **propellant** and with a ... HOLLOW DUMMY - **Inert** cartridge consisting of empty case ...  
[www.cartridgecollectors.org/glossary.htm](http://www.cartridgecollectors.org/glossary.htm) - 86k - [Cached](#) - [Similar pages](#)

NAS 1998 Abstracts

... The **propellant grain** is a **rubber** like polymer exhibiting ... were performed on solid **propellant** tension specimens ... and solubility of the ambient **inert** species into ...  
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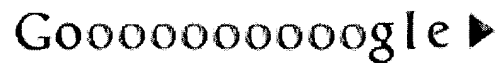
MSN Encarta - Print Preview - Rocket

... control the speed at which the **propellant grain** burns ... Systems in which an **inert** gas presses the fuel ... melting point of steel) than other **propellants**, so cooling ...  
[encarta.msn.com/text\\_761577900\\_\\_\\_13/Rocket.html](http://encarta.msn.com/text_761577900___13/Rocket.html) - 26k - [Cached](#) - [Similar pages](#)

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... 2003 Narayanan Komerath 10 **Propellant** Burning Rate ... sections to control burning •End **grain**: neutral •Internal ... generally gives the smallest **inert** mass since ...  
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